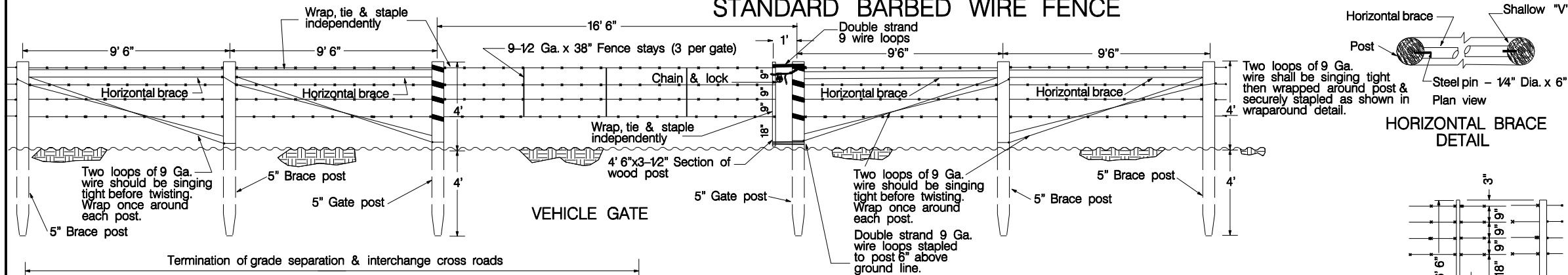
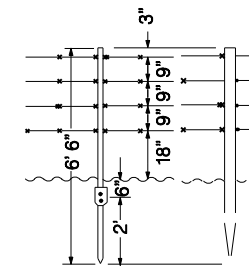


STANDARD BARBED WIRE FENCE



HORIZONTAL BRACE
DETAIL



STEEL OR WOOD LINE POSTS

NOTES:

Corner assembly posts shall be round-back angle steel or treated wood. The type of post used under the above option shall be determined by the Contractor. Treated wood posts shall be used for gates, double brace assemblies and fence terminals. Type of line post to be indicated on plans.

No deduction in measured pay length of wire fence will be made for gates, corner assemblies, double brace assemblies, fence terminals or depression fencing. Depression fencing and abutment fencing shall be included in the price bid for fencing.

All materials shall be in accordance with Sec. 752 of the Standard Specifications. Posts and braces shall be galvanized in accordance with requirements of AASHTO M-111 or painted with paint conforming to section 852 of the Standard Specifications.


Unless otherwise shown on the plans the barb wire shall be 12-12 gauge wire with 2 point barbs.

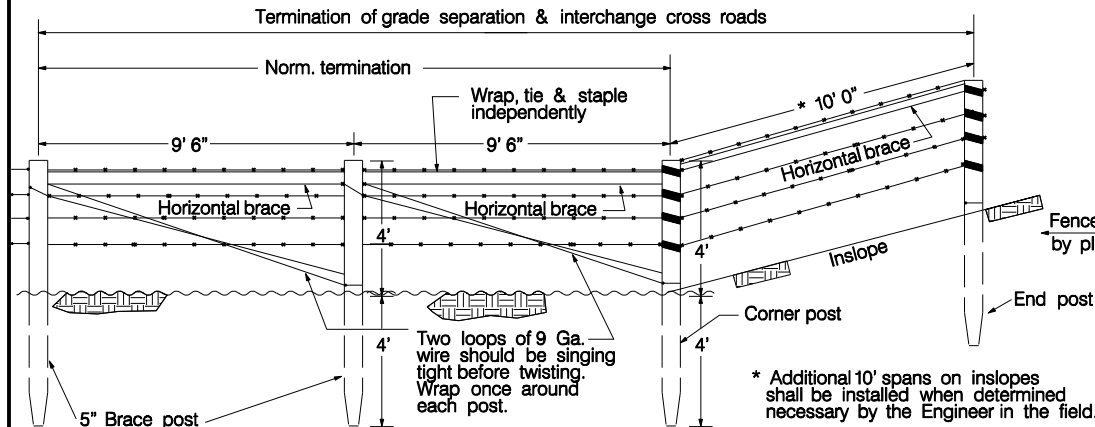
Double brace assemblies shall be installed at locations shown on the plans or established by the Engineer. The distance between adjacent fence terminals, corner assemblies, or double brace assemblies shall not exceed 1320 feet.

Additional materials and labor for each fence terminal will be paid for at the price bid for double brace assembly.

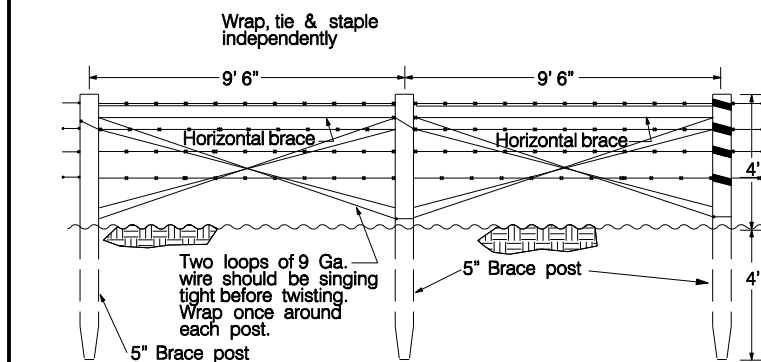
Cost of furnishing and installing inserts and eyebolts shall be included in the unit price bid for fencing. Eyebolts shall be galvanized according to AASHTO designation: M-30, inserts of corrosion resistant material need not be galvanized. Concrete inserts shall be of such design that when installed in concrete, will be capable of developing the full strength of the 5/8" Dia. threaded eye bolt.

POST SIZES

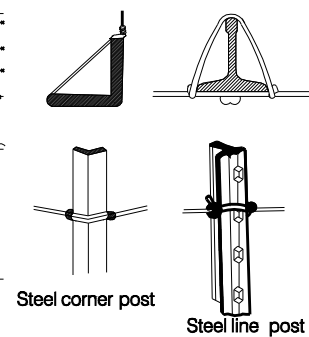
USE OF POST	TREATED WOOD		STEEL		
	Post dia.	Post length	Post length	Post wt. Lbs/Ft	Anchor wt. Lbs.
Line post	3-1/2"	6' 6"	6' 6"	1.33	0.67
Corner post	8"	8'	7'	4.10	(Conc.)
End post	5"	8'			
Brace post	5"  3-1/2"	8'	7'	3.19	(Conc.)
Gate post	5"	8'			
Horizontal brace	3-1/2"	Var.			



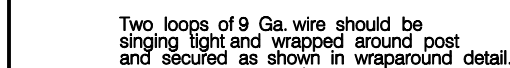
FENCE TERMINAL



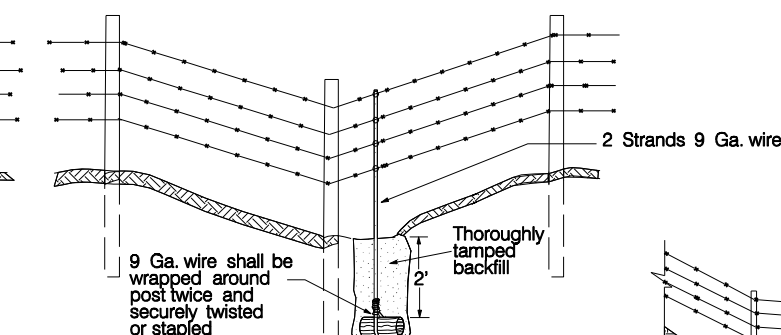
DOUBLE BRACE ASSEMBLY



WIRE FASTENING TO POSTS

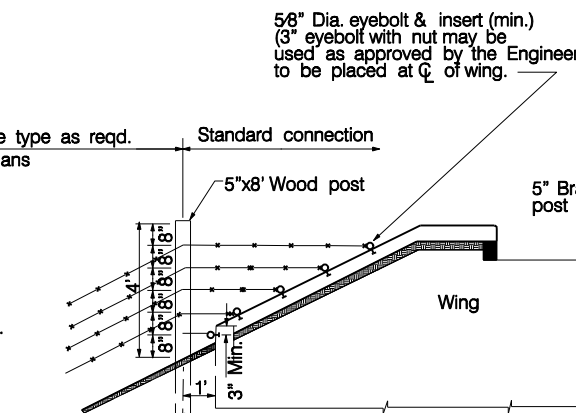


BREAK-AWAY FENCE FOR NARROW DEPRESSIONS SUBJECT TO FLOODING

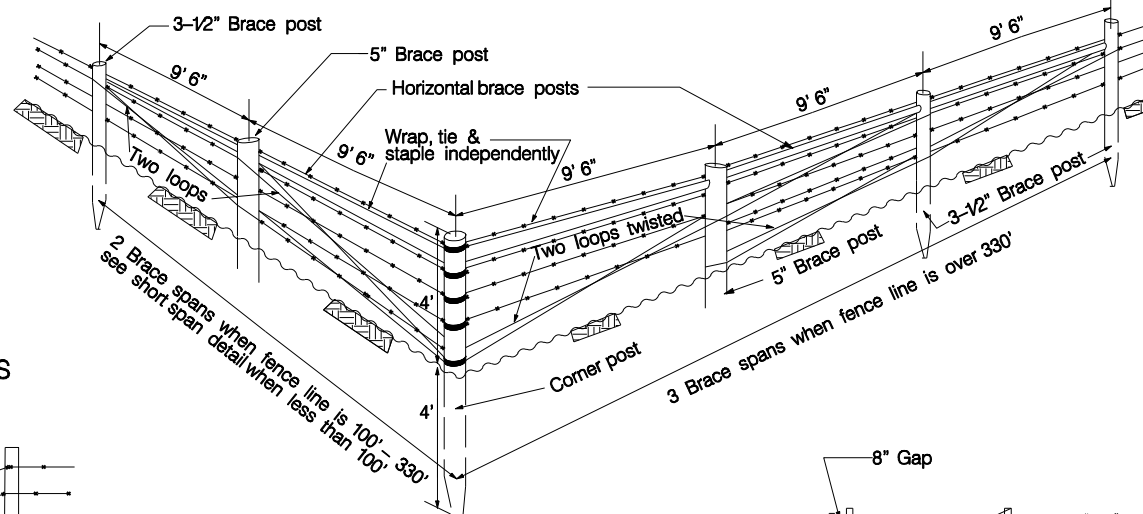


DETAIL FOR ANCHORING FENCES IN DEPRESSIONS

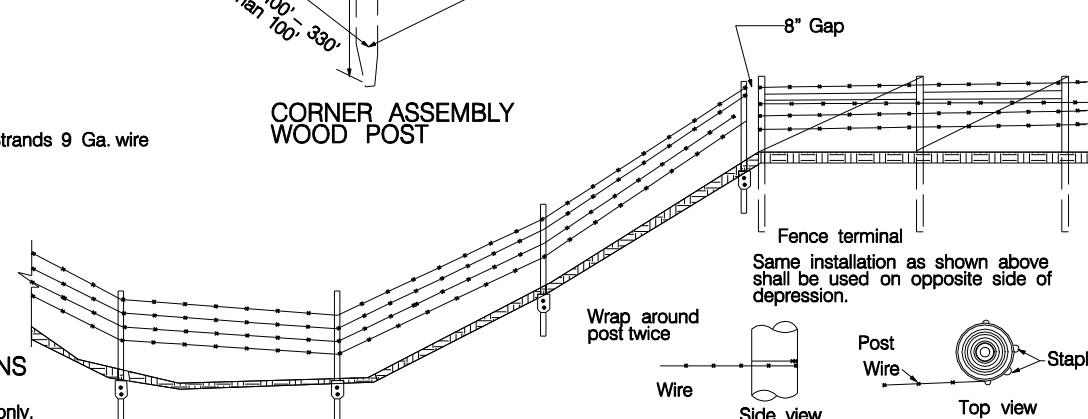
The number of fence anchors shown in the plans is approximate only. The exact number and locations shall be determined in the field and payment made accordingly. Other methods of anchoring the fence may be used if approved by the Engineer.



DETAIL FOR TYING FENCE TO WINGS OF ABUTMENTS

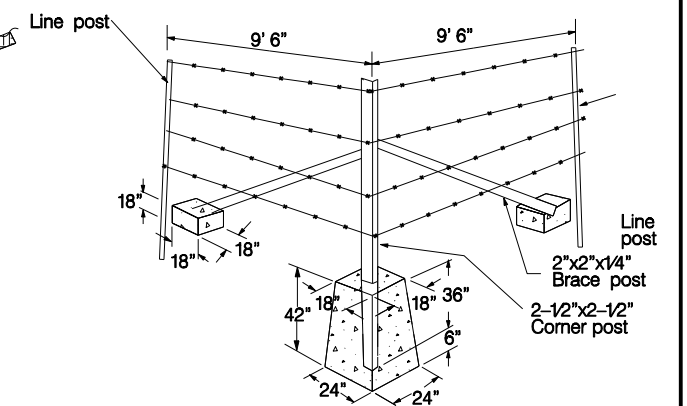


CORNER ASSEMBLY
WOOD POST



FENCING FOR WIDE DEPRESSIONS

WRAP-AROUND DETAIL



CORNER ASSEMBLY-STEEL POSTS

NORTH DAKOTA	
DEPARTMENT OF TRANSPORTATION	
10-1-86	
REVISIONS	
DATE	CHANGE
02-04-87	Gate post
06-01-89	Note wire gauge
09-04-90	Remove private fence note
03-07-01	LAYOUT revision
12-01-04	PE Stamp added

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